

BENZIMIDAZOLE, BENZTHIAZOLE AND BENZOXAZOLE DERIVATIVES AND
THEIR USE AS LTA4H MODULATORS

ABSTRACT

Leukotriene A4 hydrolase (LTA4H) inhibitors of Formula (I), compositions containing them, and their use for the inhibition of LTA4H enzyme activity and the treatment, prevention or inhibition of inflammation and/or conditions associated with inflammation. Wherein X is selected from the group consisting of NR⁵, O, and S, with R⁵ being one of H and CH₃; Y is selected from the group consisting; W is selected from the group consisting of CH₂ and CHR¹-CH₂, with R¹ being one H and OH, wherein R¹-attached carbon member in said CHR¹-CH₂ is not directly attached; R⁴ is selected from the group consisting of H, OCH₃, Cl, F, Br, OH, NH₂, CN, CF₃ and CH₃; R⁶ is H or F; and R² and R³ are each independently selected from various groups.